



Erin Allen
7/8th grade science
Bettendorf Middle School
Army Corps of Engineers, Quad Cities

Part I: Overview of Business

A diverse team of experts working diligently to strengthen our Nation’s security by building and maintaining America’s infrastructure and protecting and restoring the Nation’s environment

As the Nation’s environmental engineers they develop technologies to protect the environment and enhance quality of life for all citizens. They Restore, create, enhance and preserve tens of thousands of acres of wetlands & forests annually under the Corps’ regulatory program.

Part II: Job Specifics

- ✚ Foresters (wetland forest specializations) - collect data on the health and wellbeing of wetland forests and trees in the area
- ✚ Prescribe tree cuttings/plantings to enhance the success of the wetland ecosystems
- ✚ Plan major projects along the Mississippi to support the health of wetland forests/ecosystem

Part III: Introduce the Problem

- ✚ Problem: How can land be restored to its native habitat?
- ✚ Specifically, the land being restored must focus on three areas: pollinators, trees/shrubs, animals/birds

Part IV: Background

- ✚ Research collection methods
- ✚ Tree/plant identification
- ✚ Bird/mammal identification
- ✚ Parts of an ecosystem
- ✚ Animal relationships: symbiosis, mutualism etc.
- ✚ How to effectively plant trees, shrubs, flowers to allow for healthy growth

Part V: Business Solution

- ✚ A wide variety of professionals including, biologists, event planners, foresters, fish and wildlife specialists would work together to restore an ecosystem and make sure all of its parts function properly.

Part VI: Student Solutions

1. The students will need to come up with some research on what native plants and animals should be at the site.
2. They will need to create a proposal that would bring in more or new native pollinators, trees/shrubs, animals/birds. (This would be checked and approved by a professional-biologist or forester (ACE or USFW))
3. Put proposal in effect by planting certain species of trees, flowers, grasses, shrubs....hanging bird houses etc.. (fall 16’)